

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of Takahashi et al.
Filed: February 24, 2005
Application Serial No.: 10/525,443
For: **METAL SULFIDE THIN FILM AND METHOD FOR PREPARING THEREOF**

Confirmation No: 3864
Group Art Unit: 1792
Examiner: Elizabeth A. Burkhardt

May 20, 2010

Mail Stop Appeal Brief-Patents
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

**APPELLANTS' RESPONSE TO NOTIFICATION
OF NON-COMPLIANT APPEAL BRIEF**

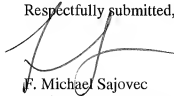
Sir:

This paper is filed in response to the Notification of Non-Compliant Appeal Brief mailed April 26, 2010.

Appellants provide herewith a copy of the appealed claims as an appendix (**APPENDIX A**) as required under 37 C.F.R. § 1.41.37(c)(1)(vii).

No fee is believed due with the filing of this paper. However, if any extension of time for the current submission is required, Applicants request that this be considered a petition therefor under 37 C.F.R. § 1.136(a). The Commissioner is hereby authorized to charge any additional fee, which may be required, or credit any refund, to Deposit Account No. 50-0220.

Respectfully submitted,

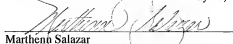


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CERTIFICATION OF TRANSMISSION

I hereby certify that this correspondence is being transmitted via the Office's electronic filing system in accordance with § 1.6(a)(4) to the U.S. Patent and Trademark Office on May 20, 2010.



Martheno Salazar

APPENDIX A

Pending Claims

U.S. Application Serial No. 10/525,443

Takahashi et al., Filed: February 24, 2005

1. (Previously presented) A method for preparing a metal sulfide film, comprising the steps of providing metal halide as a first raw material and a thioamide compound as a second raw material, vaporizing the metal halide and the thioamide compound, and reacting the metal halide with the thioamide compound at atmospheric pressure in a film forming section heated to from 375 to 425°C to form the metal sulfide film on a substrate.

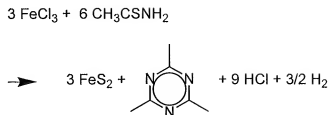
2-7. (Canceled)

8. (Previously presented) A method for preparing a metal sulfide film, comprising the steps of vaporizing metal halide and a thioamide compound, and reacting the metal halide with the thioamide compound in a heated film forming section to produce the metal sulfide film on a substrate as well as a triazine compound from the thioamide compound, wherein the step of reacting is performed at atmospheric pressure in the film forming section heated to from 375°C to 425°C.

9. (Canceled)

10. (Previously presented) The method for preparing a metal sulfide film according to Claim 8, wherein the thioamide compound is thioacetamide, the triazine compound is trimethyltriazine, and the step of reacting accompanies formation of sulfur as a simple substance.

11. (Previously presented) A method for preparing a metal sulfide film according to Claim 8, wherein an iron sulfide film is formed by a reaction represented by the following formula:



12. (Canceled.)
13. (Previously presented) The method for preparing an iron sulfide film according to Claim 1, wherein the metal halide is iron halide and the metal sulfide film is pyrite FeS₂ film.
14. (Canceled.)
15. (Previously presented) The method for preparing an iron sulfide film according to Claim 8, wherein the metal halide is iron halide and the metal sulfide film is pyrite FeS₂ film.